

WEEKLY CROP-WEATHER

Released: July 21, 2003  
Issue No. CW-29-03

MN and U.S. Depts. of Agriculture  
PO Box 7068, St. Paul, MN 55107  
Phone: (651) 296-2230  
E-mail: [nass-mn@nass.usda.gov](mailto:nass-mn@nass.usda.gov)  
Homepage: <http://www.nass.usda.gov/mn/>

MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE  
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, DNR

GROWING CONDITIONS GENERALLY GOOD

Growing conditions throughout the state were generally good this past week, according to the Minnesota Agricultural Statistics Service. Warm weather throughout the majority of the week was welcomed by producers. Storm systems during the early part of last week caused hail damage in the Central district and tornadoes in the South Central district which caused damage to farmsteads in some areas. Producers in the Southwest district are reporting a lack of rainfall, as well as, a need for moisture in that area.

The statewide average temperature was 69.8 degrees, which is 0.3 degree below normal. Statewide topsoil moisture conditions as of July 18th were rated 1% very short, 5% short, 82% adequate, and 12% surplus.

Corn height is 68 inches, compared with 66 inches for last year and 65 inches for the five year average. Soybeans are 19 inches tall, compared with 21 inches for last year and 20 inches for the 5-year average.

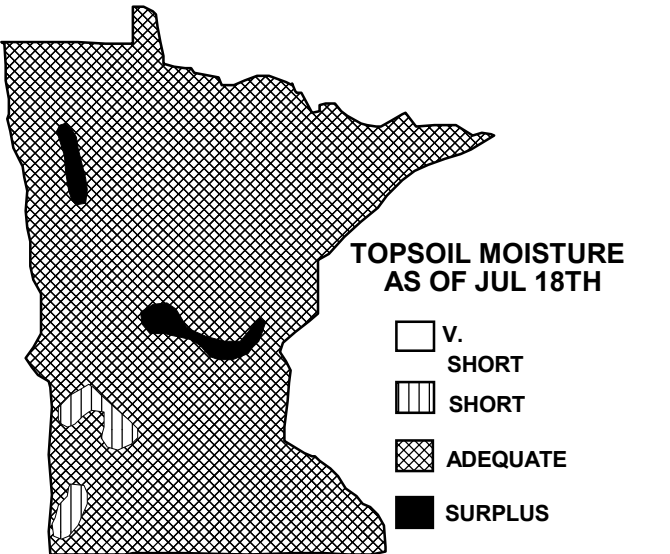
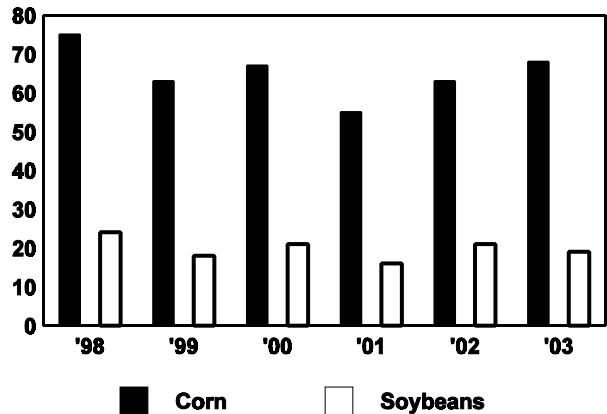
An estimated 44% of corn acreage is tasseling compared with 53% for last year and 50% for the five year average. Soybean blooming is 61% compared with 70% last year and 64% for the five year average.

Corn condition rating of good to excellent is 81%, compared with 82% last week. Soybean condition is rated 77% good to excellent versus 79% last week.

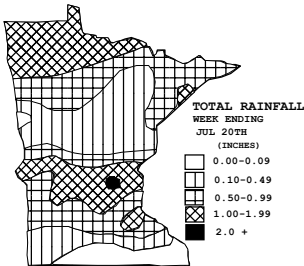
Spring wheat is 38% turning ripe compared with 41% last year and 42% for the 5-year average. An estimated 46% of barley is turning ripe versus 44% for the 5-year average. An estimated 54% of oat acreage is turning ripe, compared with the 5-year average of 65%.

Days Suitable for Fieldwork: 5.1					
		Very Short	Short	Ade-quate	Surplus
Topsoil Moisture (%)		1	5	82	12
Crop Progress as of July 20, 2003					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
Percent					
Corn	Height-Inches	68	58	66	65
	Tasseling	44	8	53	50
	Milk	2	NA	2	2
Soybeans	Height-Inches	19	16	21	20
	Blooming	61	36	70	64
	Setting Pods	7	1	12	12
Spring Wheat	Heading	99	99	95	96
	Turning Ripe	38	15	41	42
Oats	Heading	99	99	98	98
	Turning Ripe	54	25	69	65
Barley	Harvested	0	NA	5	5
	Heading	99	99	97	96
	Turning Ripe	46	22	43	44
Crop Condition as of July 18 in %					
	V. Poor	Poor	Fair	Good	Exc.
Pasture	1	4	23	61	11
Spring Wheat	0	2	20	48	30
Barley	0	2	14	48	36
Oats	0	2	16	66	16
Sugarbeets	0	7	21	51	21
Dry Beans	1	4	38	47	10
Potatoes	1	2	10	48	39
Sunflowers	0	5	18	64	13
Canola	0	0	2	70	28
Soybeans	1	3	19	57	20
Corn	1	2	16	58	23

CORN AND SOYBEAN HEIGHT  
INCHES AS OF JULY 20TH, 1998-2003



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING JULY 20, 2003:  
Temperatures averaged from 2.9 degrees below normal in the North-east District to 1.4 degrees above normal in the West Central District. Extremes: 40° in Hibbing; 96° in Browns Valley  
Precipitation averaged from 0.53 inch below normal in the Southeast District to 0.45 inch above normal in the Central District. Greatest weekly total was 3.50 inches.



Precipitation and Temperature Summary for 7/14/2003 through 7/20/2003

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	Four Weeks	From Norm Since 4/1	Since May 1	Depart from Norm
<u>NW DIST 1</u>										
Crookston	87	54	70.1	.4	1.49	.80	2.44	3.00	1100	-63
Moorhead	90	52	71.8	.9	.04	-.59	.43	1.06	1170	-46
Warroad	86	53	70.0	2.5	1.04	.22	.37	-.14	1043	40
<u>NC DIST 2</u>										
Grand Rapids	87	46	68.8	1.1	.23	-.81	.48	-1.41	1115	94
Intl. Falls	84	42	64.6	-1.8	1.71	.97	.94	-2.05	990	35
Itasca	86	47	67.8	1.4	.55	-.31	2.96	3.08	1014	70
<u>NE DIST 3</u>										
Duluth	82	44	65.6	-.3	.83	-.11	.45	-.00	870	11
Grand Marais	76	43	55.8	-5.2	.84	.08	-.25	-1.02	460	-89
Hibbing	83	40	63.2	-3.1	.36	-.72	-.33	-3.19	957	37
<u>WC DIST 4</u>										
Alexandria	84	53	68.8	-1.7	1.36	.66	6.82	9.21	1073	-91
Browns Valley	96	59	75.8	3.1	1.37	.59	7.27	7.31m	1186	-104
Canby	94	60	75.8	2.3	.70	-.04	-.61	-.11	1272	-83
Fergus Falls	89	56	73.0	2.7	.10	-.63	-.12	2.05	1186	9
Montevideo	91	57	73.2	1.5	1.02	.27	.31	.98	1199	-62
Morris	89	52	72.0	.6	.65	-.24	4.85	5.49	1203	-59
<u>CENT DIST 5</u>										
Becker	86	54	71.0	.7	3.50	2.57	4.99	5.77	1199	29
Hutchinson	89	54	70.4	-2.0	1.28	.46	3.12	.28	1240	-83
Olivia	86	56	71.2	-.6	.58	-.19	-.49	-1.71	1219	-90
St. Cloud	84	53	68.8	-1.4	1.36	.66	1.56	2.84	1135	-27
Staples	85	47	69.3	1.4	.35	-.45	3.97	5.61	1044	-11
Willmar	87	56	71.4	-.2	.47	-.33	4.00	4.94	1192	-89
<u>EC DIST 6</u>										
Aitkin	82	45	66.2	-.8	.14	-.91	3.77	5.14	992	9
MSP Airport	85	61	73.2	-.4	.71	-.18	1.57	2.45	1300	-59
St. Paul - UofM	84	57	72.6	-1.3	.64	-.33	3.32	3.37	1314	-102
<u>SW DIST 7</u>										
Lamberton	88	57	71.8	-.5	.21	-.59	.73	-1.13	1210	-142
Pipestone	87	54	72.5	.6	.22	-.51	-.07	4.18	1161	-109
Redwood Falls	88	57	71.9	-1.9	.76	-.08	.21	-.69	1263	-158
Worthington	89	59	73.4	2.1	.13	-.64	.08	.27	1193	-58
<u>SC DIST 8</u>										
Faribault	84	54	70.5	-1.4	1.13	.17	-.12	-.10	1190	-94
Waseca	84	55	70.6	-.9	.17	-.83	.61	-2.12	1205	-99
Winnebago	85	57	72.2	-.1	.03	-.88	.88	-.93	1237	-96
<u>SE DIST 9</u>										
Preston	87	50	70.8	.1	0	-1.05	.98	-1.53	1174	-34
Red Wing	85	56	71.2	-1.2	.79	-.17	-.90	.00	1231	-74
Rochester	83	52	69.2	-1.2	.23	-.82	1.47	1.83	1127	-72
Rosemount	84	55	71.4	.1	1.81	.76	1.68	2.34	1212	-40
Winona	86	58	71.6	-3.1	0	-.95	-.24	-.77	1221	-210

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

The MINNESOTA CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the Minnesota Agricultural Statistics Service, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. Postmaster: Send address changes to the MINNESOTA CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

PERIODICALS  
POSTAGE PAID

MINNESOTA AGRICULTURAL STATISTICS SERVICE  
PO Box 7068, ST. PAUL MN 55107  
WEEKLY NEWS REPORT  
Minnesota Crop-Weather Report  
Publication No. 387190  
Address Service Requested